901

9 - 30-039-07288

154 - 30-039-20389

E

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit SW Sec. 27 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #9, #154

cps 1169w

Elevation 6593' Completion Date 8/1/77 Total Depth 391' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used

N/A

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. 105'

Depths gas encountered: N/A

Type & amount of coke breeze used: 53 SACKS

Depths anodes placed: 280', 270', 245', 235', 225', 215', 205', 185', 175', 165'

Depths vent pipes placed: 285'

Vent pipe perforations: 200'

Remarks: gb #1

RECEIVED
MAY 31 1991
OIL CON. DIV.
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

El Paso Natural Gas Company
Form 7-238 (Rev. 11-71)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

H.B. File

Drilling Log (Attach Hereto). ☐

Completion Date 8-1-77

Well Name	Location	CPS No.
S.J. 28-6 #9 & #154	SW 27-28-6	1169 W
Type & Size Bit Used: 6 3/4		Work Order No. 40041-&54892

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
LOG 391		53 BAGS		

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	280	270	245	235	225	215	205	185	175	165
Anode Output (Amps)	3.8	3.4	3.7	3.7	3.9	3.6	3.0	2.5	2.9	3.3

	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Depth										
Anode Output (Amps)										

Total Circuit Resistance				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 11.8	Amps 11.4	Ohms 1.03			

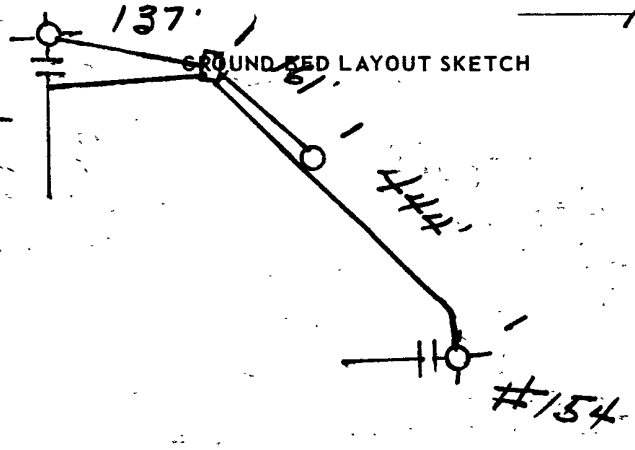
Remarks: STATIC 600' NE OF #9 = 0.78 - 600' N OF 154 = 0.75'
NOTE - 2"X2"X48" GRAPHITE ANODES DRILLED TO 400' - DRILLER SAID BLEW WATER OUT AT 105' - DRILLER RAN PIPE BACK NEXT A.M. TO CLEAN OUT - BLEW WATER OUT - SAID HE DID NOT KNOW WHERE WATER LEVEL WAS, FILL WATER TO 125 & LOG - VENT TO 285, PERF 200'

All Construction Completed

Daniels
(Signature)

#9
ALSO PERF TOP 40' OF VENT
SLURRY 53 COKE
60-30 RECT.
STUB POLE

GROUND BED LAYOUT SKETCH



DISTRIBUTION:
WHITE - Division Corrosion Office
YELLOW - Area Corrosion Office
PINK - Originator File

10593'

Form 7-1 (Rev. 8-75)

El Paso Natural Gas Company
ENGINEERING CALCULATION

Sheet: ____ of ____
Date:
By:
File:

1169W

2"x2"x48" Graphite Anodes

105		330	.6		Drill 400' 7-31-77	
10			.8		DRILLER Did Not	
		340	.6		Know where water	
20			.6		WAS Next A.M.	
	23	30	.8		RAN Pipe Back in	
30	21		.6		& Cleaned Out	
	15	60	1.0		Blew Water out.	
40	16		1.2		DRILLER SAID BLEW	
	16	70	.7		Wtr out at 105'	
50	13		.6		When DRILLING	
	17	80	.6		Fill Wtr. to 125 & LOG	
60	14			391 T.D		
	16	90				
70	20					
	1.5	400				
80	1.6					
	1.5					
90	1.1					
	.7					
200	6				Vent to 285	
	1.7				Perf. 200	
10	1.4				53 Coke	
	1.5				60-30 Rect	
20	1.8				Stub Pole	
	2.2				1 280	2.2 3.8
30	2.3				2 270	1.9 3.4
	2.0				3 245	1.8 3.1
40	1.8				4 235	2.0 3.7
	1.6				5 225	2.2 3.9
50	1.5				6 215	1.9 3.6
	1.3				7 205	1.8 3.0
60	1.0				8 185	1.7 2.5
	1.2				9 175	1.8 2.9
70	1.8				10 165	1.9 3.3
	1.7					
80	2.2					
	1.2				1.03	
90	1.0			114	11.8 V	11.4A - 1.03 =
	1.1				1.4	
300	1.0				400	
	1.8					
10	1.5					
	1.0					
20	1.7					
	1.6					

MW		gals/mol
16.04	C_1	6.4
30.07	C_2	10.12
44.10	C_3	10.42
58.12	iC_4	12.38
58.12	nC_4	11.93
72.15	iC_5	13.85
72.15	nC_5	13.71
86.18	iC_6	15.50
86.18	C_6	15.57
100.21	iC_7	17.2
100.21	C_7	17.46
114.23	C_8	19.39
28.05	$C_2^=$	9.64
42.08	$C_3^=$	9.67

MISC. MW		gals/mol
32.00	O_2	3.37
28.01	CO	4.19
44.01	CO_2	6.38
64.06	SO_2	5.50
34.08	H_2S	5.17
28.01	N_2	4.16
2.02	H_2	3.38

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE WELL NO. 11690 CONTRACTOR O'Brient RIG NO. REPORT NO. DATE Aug 1-77 19

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
0	6	Sand		
6	35	Shale		
35	50	Sandy dom		
50	62	Sandy Shale		
62	105	Sandstone SIZE - Water		
BIT NO. 105 - 135		Shale NO. DC SIZE LENG.		

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

DAYLIGHT

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
135	150	Sandy Shale		
150	170	Sandstone		
170	190	Sandy Shale		
190	223	Sand		
223	238	Shale SIZE LENG.		
BIT NO.		NO. DC SIZE LENG.		

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

1169 W
Water @
6 3/4 Hole 105
Drilled 400

FROM	TO	TIME BREAKDOWN
		Logged 392

REMARKS –

O'Brient

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
238	275	Sand		
275	305	Sandy Shale		
305	355	Sandy		
355	400	Sandy Shale		
		NO. DC SIZE LENG.		
BIT NO.		NO. DC SIZE LENG.		

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher _____ Company Supervisor _____